

**Product Name** Wire Wound Inductor for Power Line  
**Series** VLS Series  
**Type** 4012 Type  
**Part Number** VLS4012F100MR82

Product Lifecycle Stage PROD



**Specification**

Mounting Method Flag	Yes	
Processing	WINDING	
Shape	SMD	
Size Code	4012	
Rated Inductance	Nom	10 micro H
	Min	-20 %
Inductance Tolerance (%)	Max	20 %
Test Frequency of Inductance	Nom	1 M Hz
DC Resistance	Max	0.24 Ohm
DC Resistance	Nom	0.2 Ohm
Rated Current	Max	0.82 A
IDC1 ( Inductance Change)	Max	0.8% A
Terminal Material	Sn(100%)/Sn plating	
Polarity Marking	No	
Magnetic Shielding	Yes	
Soldering Method	Reflow	
Storage Temperature Range	Min	-40 Cel
	Max	105 Cel
Weight	Nom	0.067 g

**Summary/Applications/Feature**

Summary	These are compact inductors for power line measuring at L4xW4mm and 1.2mm in height.
Applications	DVCs, DSCs, PDAs, LCD displays, cellular phones, HDDs, etc.
Feature	Miniature size, Mount area: 4x4mm, Height: 1.2mm max. Generic use for portable DC to DC converter line. Available for automatic mounting in tape and reel package. The products do not contain lead and support leadfree soldering.

**Packaging**

Packing	Blister (Plastic)Taping [180r Reel]	
Minumum Package Qty	Nom	1000 Pcs
Minimum Order Qty	Nom	1000 Pcs

[Details](#)

**[ Caution ]**

Specifications which provide more details for the proper and safe use of the described product are available upon request.

**[ Notice of Revision and Improve ]**

All specifications are subject to change without notice.